

An aerial photograph of the Alameda County Estuary Bridge, a bascule bridge spanning a greenish-brown estuary. The bridge has two tall, lattice-structured towers. To the left of the bridge is a residential area with houses and a parking lot. To the right is a large industrial building with a flat roof. The water is calm, and there are some boats visible. The text "Alameda County Estuary Bridge Seismic Retrofit Program" is overlaid in large white letters with a black outline.

# Alameda County Estuary Bridge Seismic Retrofit Program

Aeolian Yacht Club  
May 5, 2011



# Estuary Bridge Seismic Retrofit Program Objectives

- To protect the lives of the users of the estuary bridges in the event of a major seismic event
- To ensure marine traffic safety and accessibility
- To minimize disruption to vehicle and marine traffic and to businesses

# Estuary Bridge Seismic Retrofit Program

- Structurally reinforce the County's three estuary bridges
- Complete "No Collapse" seismic retrofit work to all County owned estuary bridges.
  - *High Street Bridge (Completed)*
  - *Park Street Bridge (Completed)*
  - *Miller Sweeney (Fruitvale Avenue) Bridge*
- Pursue a reliable access point of entry to the City of Alameda in the event of a major earthquake.

# "No Collapse" Seismic Retrofit will:

- Prevent bridge from collapsing in the event of a major earthquake\*
- PROTECT LIVES

\* Bridge may be non-functional for an extended time while repairs are made



# Estuary Bridge Program

## Public Outreach Efforts

- September 10, 2007      Public Meeting (Schedule for Projects)
- March 18, 2008      Public Meeting (Schedule for Projects)
- January 20, 2009      City Council Meeting (Schedule of closures on Park St. and High St.)
- January, 2009      Public Notice Distributed (Park St.)
- May, 2009      Public Notice Distributed (High St.)

# Sample Public Notice

## High Street Bridge Closed

Dates: May 28, 2009 to Aug 31, 2009

Times: 10am to 6:30pm

Monday thru Friday

Contractor:

Golden State Bridge 925-372-8000

Alameda County Public Works Agency:

24 Hour Message Center Hotline 510-670-5712

E-Mail at: [Info@acpwa.org](mailto:Info@acpwa.org)

Website Providing Updated Information:

<http://www.acgov.org/pwa/>



# Miller Sweeney Bridge

- Constructed in 1973
- Single Leaf Bascule Bridge
- Four traffic lanes
- Carries 22,000 vehicles per day

22 2:55 PM



# Miller Sweeney Bridge Seismic Retrofit Project

- Design Completed
- Expect to Award construction contract in Summer 2011
- Estimated date of completion: March, 2012
- Estimated Construction Cost: \$550,000
- Funding: Federal and Prop 1B





# Miller Sweeney Bridge Public Outreach Efforts

- United States Coast Guard conducted public outreach on waterway issues
- Coordinated with Cities of Alameda and Oakland and with emergency services on project impacts
- Proposed waterway closure published in Coast Guard Local Notice to Mariners (January 2011)

# Local Notice to Mariners



U.S. Department  
of Homeland Security  
**United States  
Coast Guard**

---

## LOCAL NOTICE TO MARINERS

**District: 11**

**Week: 01/11**

SEND CORRESPONDENCE TO:  
COMMANDER  
DISTRICT ELEVEN (DPW)  
COAST GUARD ISLAND BUILDING 50-2  
ALAMEDA, CA 94501-5100

BROADCAST NOTICE TO MARINERS - Information concerning aids to navigation and waterway management promulgated by BNM 0927-10 to BNM 0006-11 has been incorporated in this notice if still significant.

### SECTION VII - GENERAL

This section contains information of general concern to the Mariners. Mariners are advised to use caution while transiting these areas.

#### **NORTHERN CALIFORNIA-BRIDGE-OAKLAND Updated 20 Dec 10**

Inner Harbor Tidal Canal: Alameda County has requested to deviate temporarily from the drawbridge operating regulations for the Fruitvale Avenue highway drawbridge, mile 5.6 Oakland Inner Harbor tidal canal, to allow critical seismic retrofitting of the drawbridge counterweight area. The work must be allowed to ensure continued operation of the drawbridge following a credible seismic event. The proposed deviation would include navigational closures of the single leaf bascule span for 2 week intervals, alternating with 1 week of normal operation. The 14/7 day cycle would continue for 12 weeks to complete the work. Alameda County has indicated they must begin the retrofit within 6 months or around June 2011. The drawbridge provides 15 feet vertical clearance above mean high water when closed. Comments are requested from waterway users to the Eleventh Coast Guard District Bridge Office, 50-2 Coast Guard Island, Alameda, CA 94501, by 31 Jan 2011, concerning navigational impacts and the dates for the proposed work. You may contact Mr. Chris Cerles, Project Manager at (510) 437-3461, [Chris.G.Cerles@uscg.mil](mailto:Chris.G.Cerles@uscg.mil), if additional information is needed.

Chart 18650

LNM: 50/10



# Miller Sweeney Bridge Seismic Retrofit Project

- Retrofit work requires bridge remain down
- Marine closures – 10/31/11 to 3/2/12
- Alternate 12 days down, 9 days operational
- Bridge operational 12/24/11 to 1/1/12
- Schedule of closures to be provided to Coast Guard 30 days before marine closures
- Coast Guard to notify mariner community via Local Notice to Mariners and Federal Register

# Bridge Schedule based on feedback from Community to Coast Guard

## Miller-Sweeney Seismic Retrofit Proposed Schedule of Work

September 6, 2011 - October 30, 2011: Mobilization and Bridge Prep Work (Bridge Operational)

October 31, 2011 - March 2, 2012: Intermittent Marine Closures on alternating 12 day closure/9 day openings

Sun	Mon	Tue	Wed	Thu	Fri	Sat
O	C	C	C	C	C	C
C	C	C	C	C	C	O
O	O	O	O	O	O	O
O	C	C	C	C	C	C
C	C	C	C	C	C	O
O	O	O	O	O	O	O

C = closed to marine traffic

O = open to marine traffic

December 24, 2011 - January 1, 2012: Bridge to remain operational

{Note: there are no expected closures for vehicle traffic}

March 3, 2012 - June 30, 2012: Finish miscellaneous work (Bridge Operational)



# Next Steps

- Award the project in Summer 2011
- Coast Guard to provide closure information via Local Notice to Mariners and Federal Register
- Construction information on County and City of Alameda websites
- Construct and Complete Project



# Questions

22 2:55 PM